

GP-303318

CLUTCH CONTROL FOR AUTOMATED
MANUAL TRANSMISSION (AMT)

ABSTRACT OF THE DISCLOSURE

A vehicle having an engine and an automated manual transmission (AMT) includes an electronically controlled clutch (ECC) that selectively couples the engine and the AMT to transfer drive torque to the AMT. A controller communicates with the ECC and the engine and generates a load signal based on an anticipated engine load. The controller adjusts spark timing of the engine based on the load signal prior to engagement of the ECC. The controller adjusts spark timing of the engine based on a rate of change of engine speed after engagement of the ECC.